



***Maharashtra State Electricity Transmission
Company Ltd.***

State Load Dispatch Center, Airoli

Daily system Report

for

31/Dec/2009

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 31/Dec/2009 THURSDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	127.783	3788.216	1) Madhya Pradesh	57.480	1991.911
2) Hydro	5.689	224.510	2) Gujrat	16.354	554.611
3) Gas	15.744	456.598	3) Goa	-6.640	-193.529
Total MSGENCO	149.216	4469.324	4) TAPS 1&2 (Inj.)	3.682	144.446
B) OTHERS			5) Pench (Excess)	-0.145	-3.238
1) RGPPL Gas	23.494	589.451	# Total Cent. Sector	70.731	2494.201
2) Wind Generation	2.091	81.519	F) Other Exchanges		
3) PENCH (MS)	0.145	3.238	1) With TPCL	-3.651	-117.187
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	22.858	769.763	1) MSEDCL Bilateral	3.641	175.384
2) TPCL Hydro	2.603	125.243	Include PX	0.000	69.608
TOTAL TPCL	25.461	895.006	2) MUMBAI Bilateral	5.682	145.139
3) REL Thermal	12.521	393.670	Include PX	0.000	4.600
D) STATE			3) MUMBAI Schedule	5.682	145.139
1) Thermal (A1+C1+C3)	163.162	4951.649	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	8.437	352.991	1) MSEDCL	242.026	7520.546
3) Gas (A3+B1)	39.238	1046.049	2) TPCL	27.448	923.709
4) Wind (B2)	2.091	81.519	3) REL	14.184	482.101
TOTAL STATE	212.928	6432.208	TOTAL STATE	283.658	8926.356

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 19 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	5214	5201	5444
MSGENCO Hydro	432	809	111
MSGENCO Gas	656	648	664
MSGENCO Total Generation	6302	6658	6219
Central Sector Receipt	3303	3702	1875
RGPPL	958	973	993
WIND	52	99	87
Exchange with TPCL	-274	-286	28
MSEDCL DEMAND MET	10368	11173	9202
Load Shedding	3165	3257	0
MSEDCL DEMAND (INCL. LS)	13533	14430	9202
TPCL GENERATION	1382	1344	694
REL GENERATION	530	530	487
TPCL+REL DEMAND	2186	2160	1153
STATE DEMAND MET	12554	13333	10355
STATE DEMAND (INCL. LS)	15719	16590	10355
Frequency (Hz)	49.51	49.66	50.24
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			3980 MW AT 19.00 Hrs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			57.80 Mus.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.55 Hz at 03.24 Hrs	49.17 Hz at 20.06 Hrs	49.84	0 % of Time

* Displayed for information, not added in total. # Total Cent. Sector includes MSEDCL and Mumbai bilateral power.

State Load Dispatch Center,Airoli (MSETCL)

Daily and Progressive Generation,Maximum,Minimum,OLC Details for 31/Dec/2009

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	2.00	48.88	89	78	80
Unit 2	1.78	44.52	78	66	70
Unit 3	1.81	41.74	79	69	80
Unit 4	1.71	26.54	84	42	80
Unit 5	3.58	111.74	165	138	160
Unit 6	3.80	85.80	175	139	170
Unit 7	3.73	123.47	180	130	170
	18.41	482.67			810
Bhusawal					
Unit 1	1.22	34.05	54	47	50
Unit 2	4.40	115.00	190	172	180
Unit 3	4.34	135.10	188	175	190
	9.96	284.15			420
Parli					
Unit 1	0.54	16.63	24	22	23
Unit 2	0.53	16.70	24	20	23
Unit 3	3.73	111.93	160	148	160
Unit 4	4.82	144.48	208	190	200
Unit 5	4.16	118.86	180	163	175
Unit 6	5.93	158.96	252	235	240
	19.72	567.55			821
Chandrapur					
Unit 1	3.30	110.16	145	122	150
Unit 2	3.20	112.62	152	119	160
Unit 3	3.49	115.33	159	127	160
Unit 4	3.97	122.36	178	157	180
Unit 5	10.23	279.86	451	385	450
Unit 6	10.02	280.71	450	339	450
Unit 7	10.94	312.35	466	443	450
	45.16	1333.40			2000
Paras					
Unit 2	1.10	21.99	49	44	41
Unit 3	3.41	141.54	233	0	230
	4.52	163.53			271
Khaparkheda					
Unit 1	4.54	133.48	196	180	190
Unit 2	4.48	130.79	198	162	190
Unit 3	4.54	141.48	200	180	210
Unit 4	4.47	146.77	210	147	210
	18.04	552.52			800
Nasik					
Unit 1	2.12	69.41	100	60	98
Unit 2	0.10	51.97	50	0	0
Unit 3	4.97	139.79	210	205	208
Unit 4	4.80	140.78	205	192	208
Unit 5	0.00	2.45	0	0	0
	11.98	404.40			514
Uran					
All Units	15.74	456.60	679	643	640
	15.74	456.60			640
Koyna					
Stage 1-2	1.70	53.22	240	40	600
Stage 4	0.00	59.46	0	0	250
Kovna 12&4 Total	1.70	112.67			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	0.48	24.21	238	0	240
	2.17	136.88			1090
Hydro					
KDPH	0.26	2.33	19	0	0
VTRNA	0.00	0.26	0	0	60
TILLARI	0.37	11.46	60	0	60
BHTGR/VEER	0.88	27.29	37	36	32
BHIRA T.R.	0.11	6.84	36	0	40
RNGR+BHTSA	0.31	10.24	15	12	15
BHANDARDRA	0.61	3.37	48	14	30
ELDARY	0.21	1.26	10	7	10
PAITHAN	0.06	1.37	9	0	0
GHATGHAR	0.70	23.20	125	0	0
	3.52	87.63			247
PENCH (MS)					
Pench (MS)	0.14	3.24	27	0	
	0.14	3.24			
Wind					
MalharPeth	0.04	4.33			
Vankuswadi	0.18	11.21			
ATIT	0.03	2.37			
Kale	0.04	3.52			
Satara	0.06	5.09			
Shirala	0.04	3.59			
K Mahankal	0.05	2.02			
Supa	0.08	1.85			
Vita	0.31	18.20			
Dondaicha	0.52	14.17			
Sakri	0.09	2.70			
Nandurbar	0.04	1.75			
Khadakale	0.45	5.76			
Khaparale	0.16	4.97			
	2.09	81.52			
Dabhol					
RGPP L II	23.49	589.45	994	956	940
RGPP L III	0.00	0.00	0	0	
	23.49	589.45			940
Tata					
Trombay 4	0.00	1.83	0	0	0
Trombay 5	9.76	341.71	500	200	500
Trombay 6	4.44	250.36	250	150	500
Trombay 7A	2.57	81.86	129	72	120
Trombay 7B	1.51	47.77	69	53	60
Trombay 8	4.58	46.24	250	150	150
TATA Hydro	2.60	125.24	384	0	447
	25.46	895.01			1777
REL					
1&2	12.52	393.67	532	470	500
	12.52	393.67			500
Cent Sect					
Share		0.00			3040
		0.00			3040

MS PG CL	Thermal	127.78	3788.22		5636
	Thml+Gas	143.53	4244.81		6276
	Hydro	5.69	224.51		1337
	Total	149.22	4469.32		7613
State Total		212.93	6432.21		13870

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 31/Dec/2009

TIME SR. NO.	MSPGCL GEN.			TOTAL	RGPPL	WIND	CS SHARE	CS RECPT	MUMBAI		MSEDCL DEMAND MET	# LOAD SHED.	MSEDCL DEMAND WITH LS	MUMBAI DEMAND	STATE DEM. WITH LS	FREQ. (Hz)
	THM	HY	GAS						SCH.	EXCH.						
1	5353	116	661	6130	992	57	2497	2170	-34	-5	9344	0	9344	1276	10620	50.16
2	5390	109	664	6163	992	83	2497	2033	-34	22	9293	0	9293	1190	10483	50.07
3	5444	111	664	6219	993	87	2497	1875	-34	28	9202	0	9202	1153	10355	50.24
4	5512	120	663	6295	994	98	2497	1916	-34	32	9335	0	9335	1136	10471	50.38
5	5510	131	663	6304	994	93	2502	1998	-34	26	9415	47	9462	1144	10606	50.20
6	5532	149	663	6344	993	93	2458	2525	-34	16	9971	1959	11930	1177	13107	50.07
7	5529	113	663	6305	994	114	2665	2575	-44	1	9989	2392	12381	1267	13648	50.01
8	5502	116	662	6280	993	117	2677	2935	-44	-2	10323	2651	12974	1379	14353	49.96
9	5441	132	663	6236	990	114	2599	2851	-44	-8	10183	2915	13098	1681	14779	49.81
10	5462	268	679	6409	985	86	2975	2954	-351	-223	10211	3193	13404	1972	15376	49.82
11	5444	289	668	6401	970	86	3070	3214	-396	-272	10399	2958	13357	2168	15525	49.64
12	5214	432	656	6302	958	52	3077	3303	-396	-274	10368	3165	13533	2186	15719	49.51
13	5163	176	649	5988	956	40	3162	3476	-397	-274	10213	3155	13368	2150	15518	49.57
14	5193	227	645	6065	959	36	3186	3554	-397	-273	10341	3160	13501	2066	15567	49.61
15	5193	267	646	6106	967	32	3190	3610	-397	-274	10441	3203	13644	2081	15725	49.72
16	5158	287	643	6088	964	32	3190	3357	-397	-276	10165	3068	13233	2070	15303	49.58
17	5171	256	645	6072	971	41	3165	3636	-397	-278	10442	3039	13481	2070	15551	49.82
18	5164	430	643	6237	968	42	3146	3432	-397	-284	10409	2739	13148	2065	15213	49.63
19	5201	809	648	6658	973	99	2994	3702	-397	-286	11173	3257	14430	2160	16590	49.66
20	5216	417	650	6283	971	95	3186	3614	-397	-281	10709	3469	14178	2211	16389	49.54
21	5241	315	651	6207	975	121	3258	3518	-355	-255	10589	3236	13825	2029	15854	49.65
22	5278	149	654	6081	982	160	3022	3124	-355	-253	10094	3266	13360	1861	15221	49.97
23	5286	135	648	6069	977	148	2792	2837	-216	-163	9868	3107	12975	1625	14600	49.64
24	5182	135	653	5970	983	155	2668	2511	-103	-95	9524	1764	11288	1516	12804	49.90
MUs	127.78	5.69	15.74	149.21	23.49	2.08	68.97	70.72	-5.68	-3.65	242.00	55.74	297.74	41.63	339.38	49.84

NOTE : ALL VALUES IN MW

MUMBAI Sch./Net Exch is shown with reference to MSETCL System. (+) indicates MUMBAI to MSETCL and (-) indicates MSETCL to MUMBAI. MUMBAI Schedule is calculated for MSETCL periphery (taking 4% loss for import & 4.85% MSETCL # Without Applying Load Diversity Factor

State Load Dispatch Center,Airoli (MSETCL)
Details of Generating Unit Outages/Trippings for 31/Dec/2009

Position as on 6.30 Hrs of 01/Jan/2010

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Cent_Sect KARPR1	220	01/07/2008	00:10		Continued.	COH(En-Mass Coolant Clanel Replacement)	31/03/2010
Koyna Unit 10	80	06/12/2009	11.00		Continued.	Retrofitting of Excitation System.	06/01/2010
FORCED OUTAGE							
Uran Unit 2	60	04/10/2008	19.00		Continued.	Gas Restriction	
Dabhol 3A	230	08/11/2008	13.45		Continued.	Exhaust temp.& vibn.high	31/03/2010
Dabhol 1B	230	22/01/2009	12.05		Continued.	BHMS Installation work	07/01/2010
Uran Unit 4	60	01/04/2009	00:00		Continued.	Gas Restriction	
Uran Unit 3	60	05/07/2009	21.12		Continued.	Stator Earth Fault	
Tata Trombay 4	150	01/12/2009	19:16		Continued.	Low Demand.	
Cent_Sect Tarapur 1	80	09/12/2009	09:22		Continued.	Condenser Tube Leakage.	02/02/2010
Dabhol 3B	230	10/12/2009	23.34		Continued.	Combustion Chamber Inspection.	10/01/2010
Dabhol 3X	290	10/12/2009	23.35		Continued.	Combustion Chamber Inspection.	10/01/2010
Nasik Unit 2	125	27/12/2009	21.50	31/12/2009	21.00	Boiler Tube Leakage	
Cent_Sect NTPC(V-4)	210	30/12/2009	11.04	31/12/2009	11.27	Boiler Tube Leakage.	
Nasik Unit 5	210	30/12/2009	16.30		Continued.	Boiler Tube Leakage.	01/01/2010
Paras Unit 3	250	31/12/2009	10.59	31/12/2009	18.01	H/T DCS Failed	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 31/Dec/2009

Position as on 6.30 Hrs of 01/Jan/2010

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Akola - Wardha - II	16/12/2009	13:00		Continued.	H/T.
Kolhapur - Mapusa - II	30/12/2009	22.19	31/12/2009	17.02	H/T for O/V.
Voltage Level : 400KV			Outage Type TRIPPED		
Dhule-Sar'Sarovar - I	17/12/2009	17.08		Continued.	Tower 3 and 4 Collapsed.
Dhule-Sar'Sarovar - II	17/12/2009	22:33		Continued.	Tower 3 and 4 Collapsed.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Main Breaker of ICT-II at C'PUR	28/12/2009	12.13		Continued.	Main Breaker replacement, ICT on TBC
Jejuri-Koyna STG-IV	31/12/2009	09.38	31/12/2009	18.05	Relay testing work
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/100KV 125 MVA ICT-II at Kalwa	01/05/2009	07:45		Continued.	Repair Work
Padghe - Nashik - II	25/12/2009	08.50		Continued.	Errection of tower
Padghe - Jindal	25/12/2009	09.11		Continued.	Errection of Tower
220/132KV 100MVA ICT-II at Parli-II	26/12/2009	09.10		Continued.	Replacement of H.V./L.V.Breaker
220/132 KV 150MVA ICT at Nanded	28/12/2009	11.53		Continued.	HV Breaker replacement, ICT on TBC
Lonikand-Ranjangaon	28/12/2009	12.45	31/12/2009	18.08	Taken on TBC For CB Replacement at Lonikand end.
Mulund-Trombay	30/12/2009	09.40		Continued.	Relay pannel replacement work.
Mudshingi - Peth	31/12/2009	08.40	31/12/2009	17.25	Cold washing of Insulator
Pedambe-Kharepatan	31/12/2009	09.12	31/12/2009	16.05	Hand cleaning of line Insulator
Urse-Sahara	31/12/2009	10.45	31/12/2009	15.24	Replacement of Insulator
Baramati - Lonand	31/12/2009	11.35	31/12/2009	13.55	CRM of breaker
Baramati-Kurkumb	31/12/2009	14.25	31/12/2009	16.20	CRM of breaker and other work
Baramati-Kalyani	31/12/2009	16.30	31/12/2009	17.45	CRM of breaker and other work
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Paras-Malegaon	31/12/2009	11.00	31/12/2009	23.36	C.T.replacement work
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Bhusawal- Aurangabad	26/12/2009	18.00		Continued.	H/T for O/V.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Aurangabad - Bhenda	12/12/2009	09.39		Continued.	H/T at A'Bad to control ICT loading
Voltage Level : 400KV			Outage Type TRIPPED		
Padgha - Chakan	01/01/2010	04.03	01/01/2010	05.41	Tripped
Voltage Level : 132KV			Outage Type TRIPPED		
Hingna - Khapri	31/12/2009	01.45	31/12/2009	02.15	Distance protection
Kalmeshwar-Katol	31/12/2009	02.59	31/12/2009	10.57	Distance protection
Hingna - Khapri	31/12/2009	03.10	31/12/2009	11.25	Distance protection
Waghala - Narsi	01/01/2010	05.20	01/01/2010	05.36	Distance protection

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 01/Jan/2010

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	
Unit 2	105	
Unit 3	105	
Unit 4	105	
Unit 5	200	
Unit 6	210	
Unit 7	210	
	1040	
Bhusawal		
Unit 1	58	
Unit 2	210	
Unit 3	210	
	478	
Parli		
Unit 1	30	
Unit 2	30	
Unit 3	210	
Unit 4	210	
Unit 5	210	
Unit 6	250	
	940	
Chandrapur		
Unit 1	210	
Unit 2	210	
Unit 3	210	
Unit 4	210	
Unit 5	500	
Unit 6	500	
Unit 7	500	
	2340	
Paras		
Unit 2	55	
Unit 3	250	
	305	
Khaparkheda		
Unit 1	210	
Unit 2	210	
Unit 3	210	
Unit 4	210	
	840	
Nasik		
Unit 1	120	
Unit 2	120	
Unit 3	210	
Unit 4	210	
Unit 5	210	
	870	
Uran		
All Units	852	
	852	
Koyna		
Stage 1-2	600	
Stage 4	1000	
Stage 3	320	
	1920	
Hydro		

Generating unit	Derated Capacity (MW)	OLC (MW)
KDPH	40	
VTRNA	60	
TILLARI	60	
BHTGR/VEER	21	
BHIRA T.R.	80	
RNGR+BHTSA	20	
BHANDARDRA	45	
ELDARY	23	
PAITHAN	12	
GHATGHAR	250	
	611	
PENCH (MS)		
Pench (MS)	53	
	53	
Wind		
MalharPeth	0	
Vankuswadi	0	
ATIT	0	
Kale	0	
Satara	0	
Shirala	0	
K Mahankal	0	
Supa	0	
Vita	0	
Dondaicha	0	
Sakri	0	
Nandurbar	0	
Khadakale	0	
Khaparale	0	
	0	
Dabhol		
RGPL II	960	
RGPL III	740	
	1700	
Tata		
Trombay 4	150	
Trombay 5	500	
Trombay 6	500	
Trombay 7A	120	
Trombay 7B	60	
Trombay 8	250	
TATA Hydro	444	
	2024	
REL		
1&2	500	
	500	
Cent Sect		
Share	3143	
	3143	